

Recombinant Human SFTPD Protein (21–375 aa), His-tagged

Cat. No. SFTPD-1849H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SFTPD Protein (21–375 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Full Length of Mature Protein.
Species	Human
Source	Yeast
ProteinLength	21–375 aa
Description	Contributes to the lung's defense against inhaled microorganisms, organic antigens and toxins. Interacts with compounds such as bacterial lipopolysaccharides, oligosaccharides and fatty acids and modulates leukocyte action in immune response. May participate in the Extracellular domain reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	35.2 kDa
AA Sequence	AEMKTYSHRTMP SACTLVMCSSVESGLPGRDGRDGRGREGPRGEKGDPLPGAAGQ AGMPGQAGPVGPKGDNGSVGEPPKGGDTGPSGPPGPPGVPGPAGREGPLGKQG NIGPQKGKPGPKGEAGPKGEVGAPGMQGSAGARGLAGPKGERGVPGERGVPGNT GAAGSAGAMGPQGSPPGARGPPGLKGDGKIPGDKGAKGESGLPDVASLRQQVEAL

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	QGQVQHLQAAFSQYKKVELFPNGQSVGEKIFKTAGFVKPFTEAQLLCTQAGGQLAS PRSA AENAALQQLVVAKNEAAFLSMTDSKTEGKFTYPTGESLVYSNWAPGEPNDD GGSEDCVEIF
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	SFTPD surfactant protein D [Homo sapiens]
Official Symbol	SFTPD
Synonyms	SFTPD; surfactant protein D; COLEC7; SP D; collectin 7; collectin-7; SP-D; PSP-D; SFTP4;
Gene ID	6441
mRNA Refseq	NM_003019
Protein Refseq	NP_003010

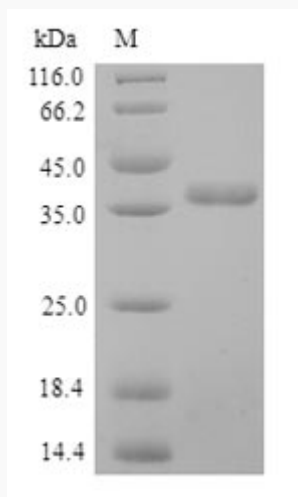
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MIM 178635

UniProt ID P35247



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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